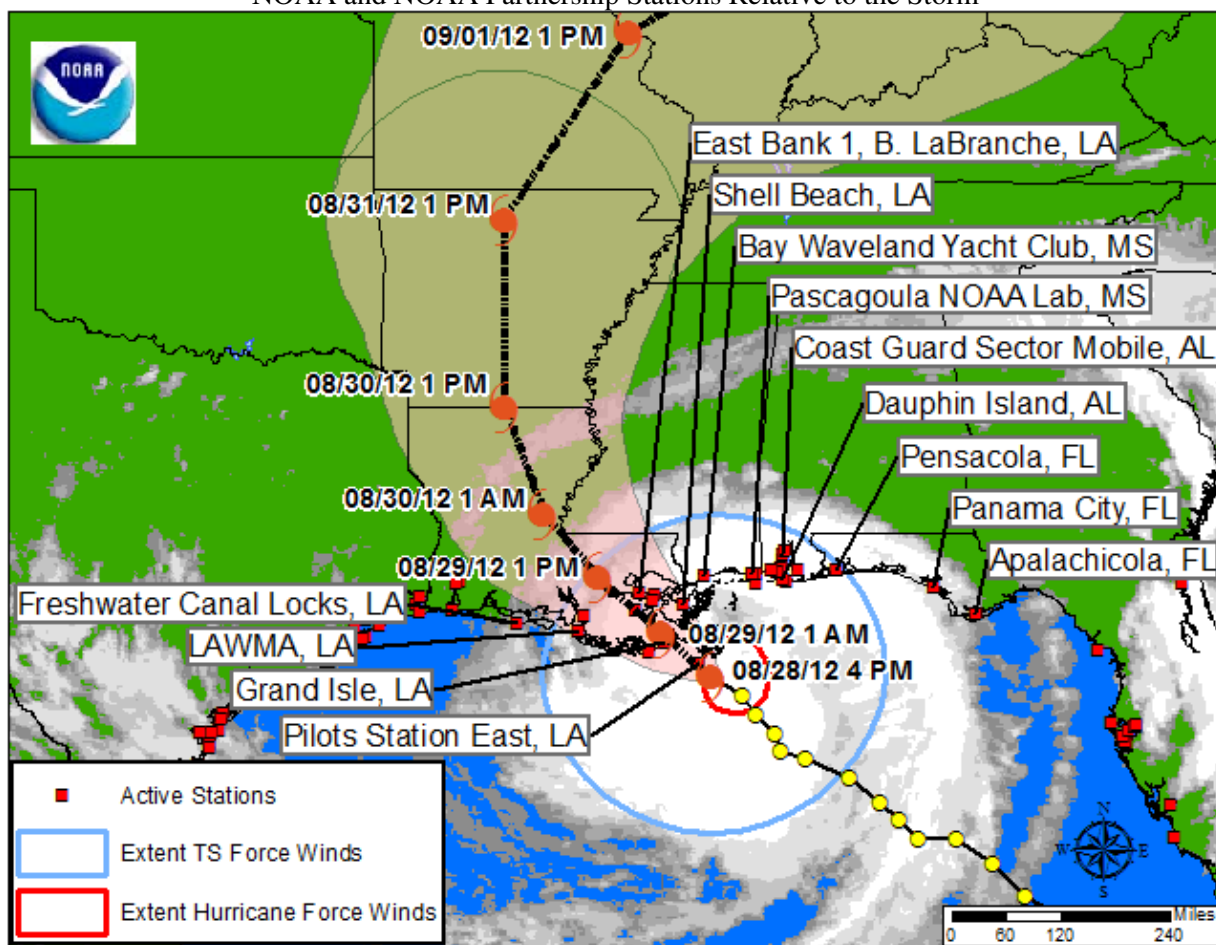




Hurricane ISAAC QuickLook  
Posted: 17:00 CDT 08/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 08/28/2012 17:00 CDT, water levels along the Gulf coast from Florida to Louisiana continue to rise. Water levels from Pensacola, FL to Shell Beach, LA are rapidly rising and range from 3.2 to 7.2 feet above tidal predictions. Water levels along southeastern Louisiana from Pilots Station to Grand Isle are elevated between 1.6 and 3.3 feet above tidal predictions. Water levels near Lake Pontchartrain are rising and range between 1.3 to 2.5 feet above tidal predictions. Water levels at stations west of the storm track are either at or below tidal predictions. Water levels along the Florida panhandle east of Panama City, FL have begun to fall and may be returning to normal.

Winds from Alabama to southeastern Louisiana are increasing and generally range from 20 to 45 knots, with gusts ranging from 30 to 55 knots. Presently, winds are strongest from Shell Beach to Grand Isle, LA. Winds along the Florida panhandle are decreasing and range from 10 to 20 knots, with gusts ranging from 15-25 knots. Barometric pressure continues to fall across the region.

## Hurricane ISAAC QuickLook, POSTED 17:00 CDT 08/28/2012

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT and 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.41 m) at 08/29/2012 09:17 CDT and 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.13 m) at 08/28/2012 18:12 CDT and 0.4 ft (0.13 m) at 08/29/2012 18:43 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.4 ft (0.43 m) at 08/29/2012 04:05 CDT and 1.3 ft (0.40 m) at 08/29/2012 14:24 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.64 m) at 08/29/2012 02:53 CDT and 1.8 ft (0.56 m) at 08/29/2012 12:20 CDT.

Shell Beach, LA: Next predicted high tides are 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT and 1.2 ft (0.37 m) at 08/30/2012 14:26 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.9 ft (0.56 m) at 08/29/2012 10:51 CDT and 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT and 1.4 ft (0.44 m) at 08/30/2012 11:03 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 11:34 CDT and 1.4 ft (0.44 m) at 08/30/2012 12:26 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.46 m) at 08/29/2012 09:26 CDT and 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT.

Pensacola, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 10:10 CDT and 1.5 ft (0.47 m) at 08/30/2012 11:08 CDT.

Panama City, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 09:23 CDT and 1.5 ft (0.48 m) at 08/30/2012 10:21 CDT.

Apalachicola, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 04:30 EDT and 1.9 ft (0.57 m) at 08/29/2012 14:24 EDT.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see Tidal Datums. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst:CMF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISAAC ADVISORY NUMBER 31  
400 PM CDT TUE AUG 28 2012

...ISAAC GETTING BETTER ORGANIZED AS IT NEARS SOUTHEASTERN  
LOUISIANA...FLOODING FROM STORM SURGE AND RAINFALL EXPECTED...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

\* EAST OF MORGAN CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER...INCLUDING  
METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

\* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* THE MISSISSIPPI-ALABAMA BORDER TO DESTIN FLORIDA  
\* MORGAN CITY TO CAMERON LOUISIANA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* EAST OF HIGH ISLAND TEXAS TO JUST WEST OF CAMERON LOUISIANA

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED  
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND  
PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE  
WATCH AREA.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED  
SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE  
WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED  
BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 PM CDT THE CENTER OF HURRICANE ISAAC WAS LOCATED BY NOAA DOPPLER  
RADARS ABOUT 30 MI SSW OF THE MOUTH OF THE MISSISSIPPI RIVER AND ABOUT 105 MI  
SSE OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 8  
MPH. A NORTHWESTWARD MOTION AT A SLIGHTLY SLOWER SPEED IS EXPECTED OVER THE  
NEXT DAY OR TWO. ON THE FORECAST TRACK...THE CENTER OF HURRICANE ISAAC

SHOULD REACH THE COASTLINE OF SOUTHEASTERN LOUISIANA THIS EVENING.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 80 MPH WITH HIGHER GUSTS. ISAAC IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. SOME SLIGHT STRENGTHENING IS POSSIBLE BEFORE ISAAC MAKES LANDFALL. GRADUAL WEAKENING IS EXPECTED AFTER LANDFALL OCCURS.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 60 MILES MAINLY TO THE NORTHEAST AND EAST OF THE CENTER. TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 185 MILES. TROPICAL STORM CONDITIONS ARE OCCURRING ALONG THE COASTAL AREAS OF SOUTHEASTERN LOUISIANA...MISSISSIPPI...AND ALABAMA. NOAA BUOY 42040...LOCATED EAST OF THE MOUTH OF THE MISSISSIPPI RIVER...RECENTLY MEASURED SUSTAINED WINDS OF 63 MPH AND A GUST TO 83 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 975 MB.

#### HAZARDS AFFECTING LAND

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STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- \* MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
- \* ALABAMA...4 TO 8 FT
- \* SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- \* FLORIDA PANHANDLE...3 TO 6 FT
- \* APALACHEE BAY...2 TO 4 FT
- \* REMAINDER OF FLORIDA WEST COAST...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE TO SPREAD ACROSS THE WARNING AREA THIS EVENING...AND HURRICANE CONDITIONS SHOULD SPREAD ONSHORE ACROSS SOUTHEASTERN LOUISIANA DURING THE NEXT FEW HOURS.

WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL. AT ABOUT THE 30TH STORY...WINDS WOULD LIKELY BE ONE SAFFIR-SIMPSON CATEGORY STRONGER THAN AT THE SURFACE.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...OVER MUCH OF LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE EXTREME WESTERN FLORIDA PANHANDLE. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

TORNADOES...TORNADOES ARE POSSIBLE ALONG THE NORTHERN GULF COAST THROUGH

TONIGHT.

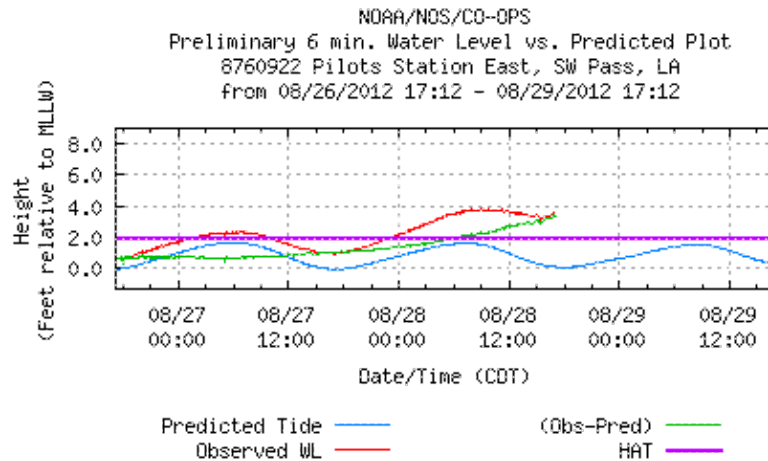
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE WEST COAST OF FLORIDA AND PORTIONS OF THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Coast Guard Sector Mobile - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Pensacola - Barometric](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#),

Pilots Station East, SW Pass, LA - Return to List

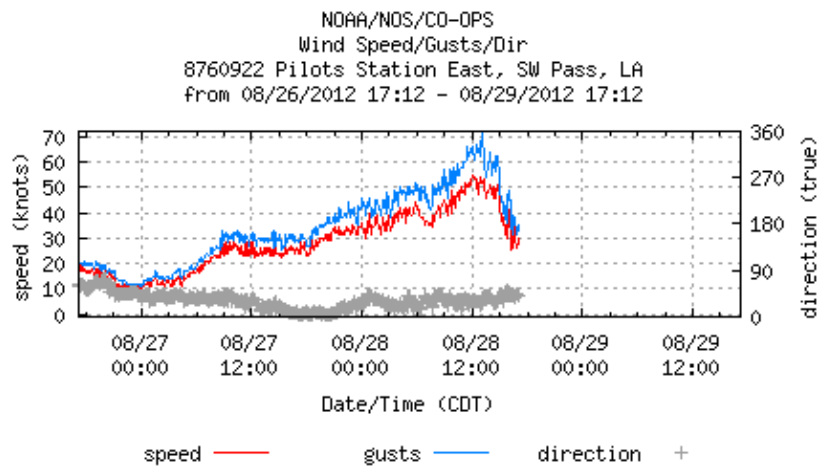


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 3.40 ft.** **Predicted: 0.10 ft.** **Residual: 3.30 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

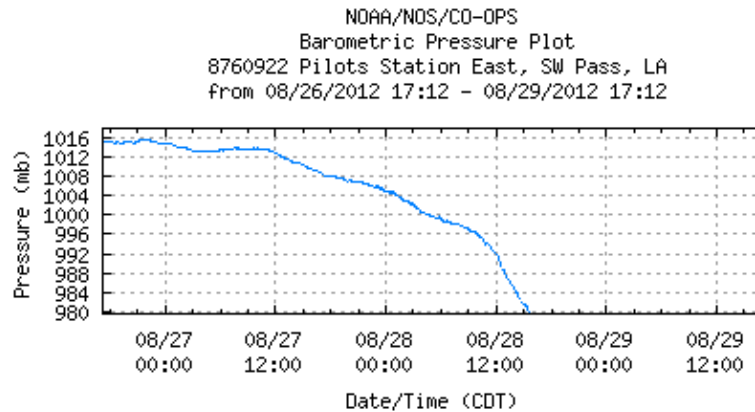
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

**Wind Speed: 30 knots** **Gusts: 35 knots** **Direction: 41° T**

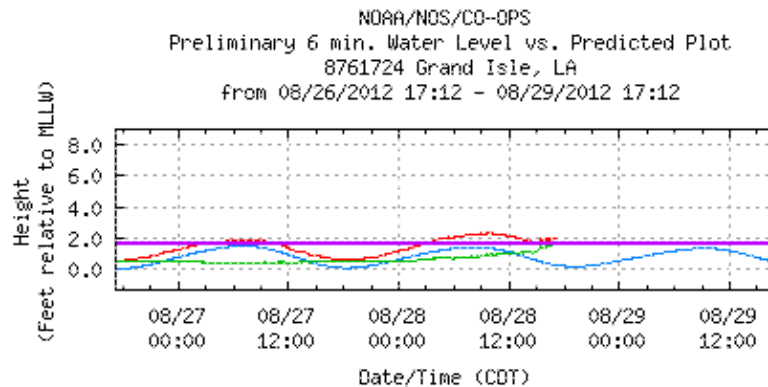
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/28/2012 15:36 (CDT)

Barometric Pressure: 980.0 mb

Grand Isle, LA - Return to List

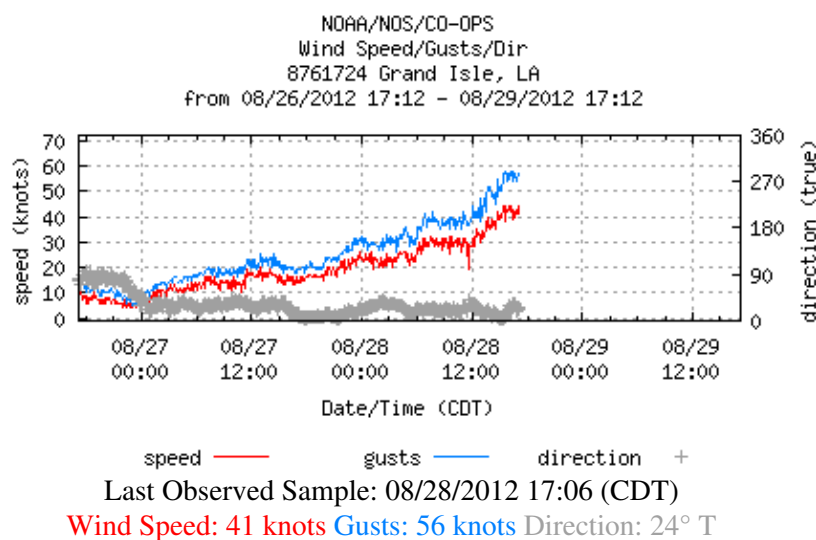


Last Observed Sample: 08/28/2012 17:06 (CDT)

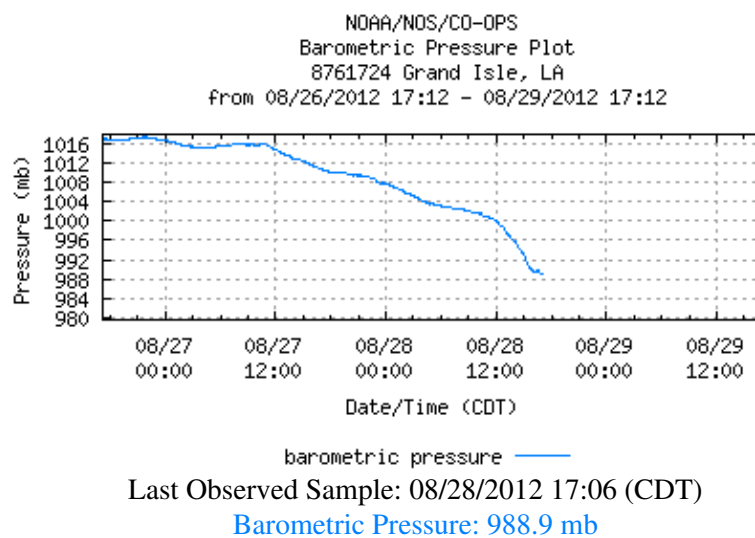
Relative to MLLW: **Observed: 2.03 ft.** **Predicted: 0.28 ft.** **Residual: 1.75 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

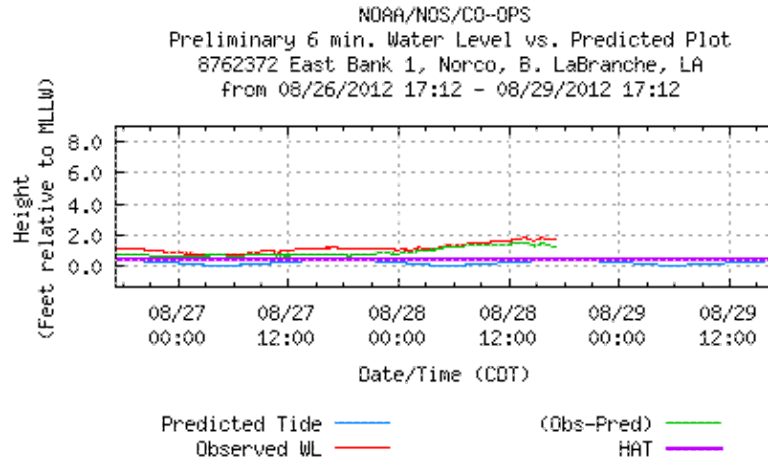
Grand Isle, LA - Return to List



Grand Isle, LA - Return to List

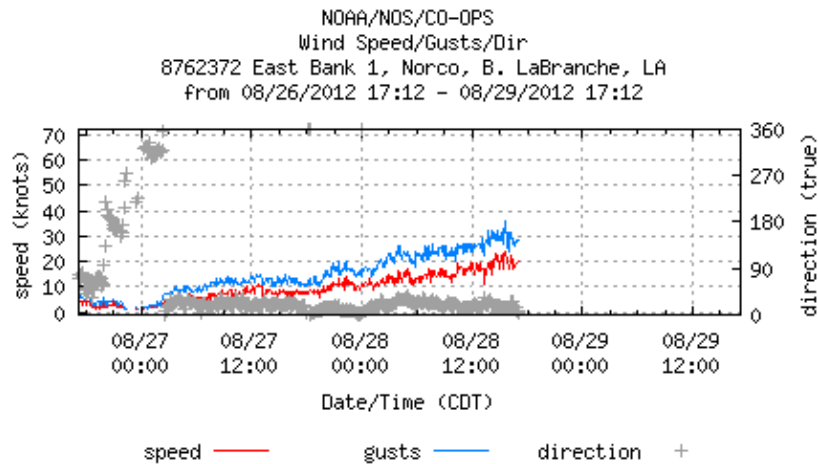


East Bank 1, Norco, B. LaBranche, LA - Return to List



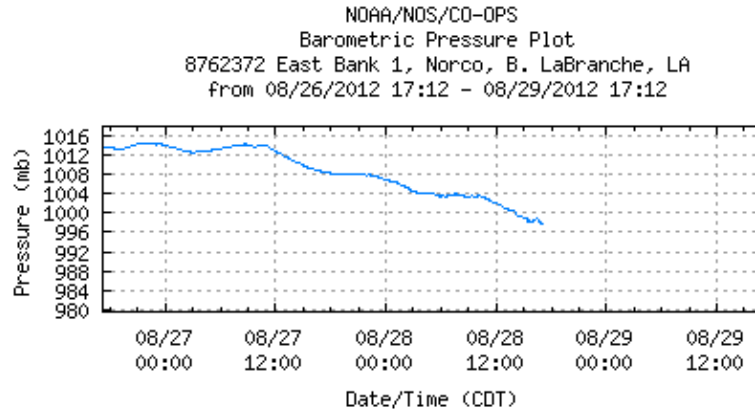
Last Observed Sample: 08/28/2012 17:06 (CDT)  
Relative to MLLW: **Observed: 1.70 ft.** **Predicted: 0.41 ft.** **Residual: 1.29 ft.**  
Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)  
**Wind Speed: 20 knots** **Gusts: 28 knots** Direction: 3° T

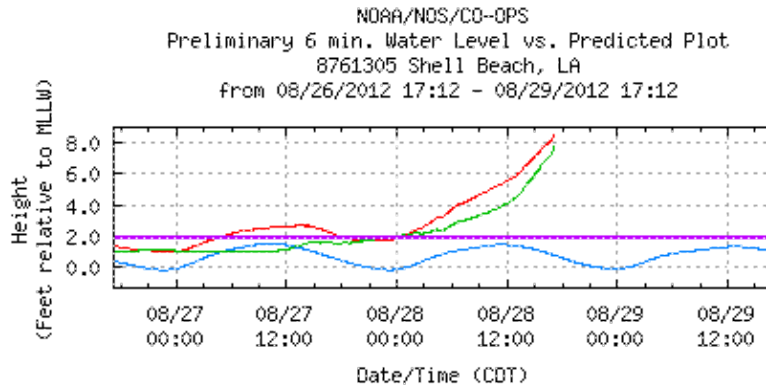
East Bank 1, Norco, B. LaBranche, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 997.7 mb

Shell Beach, LA - Return to List

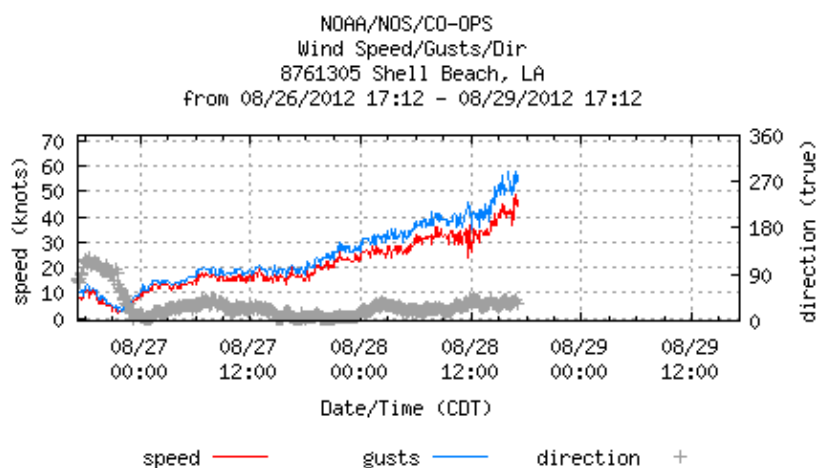


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 8.51 ft.** **Predicted: 0.79 ft.** **Residual: 7.72 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

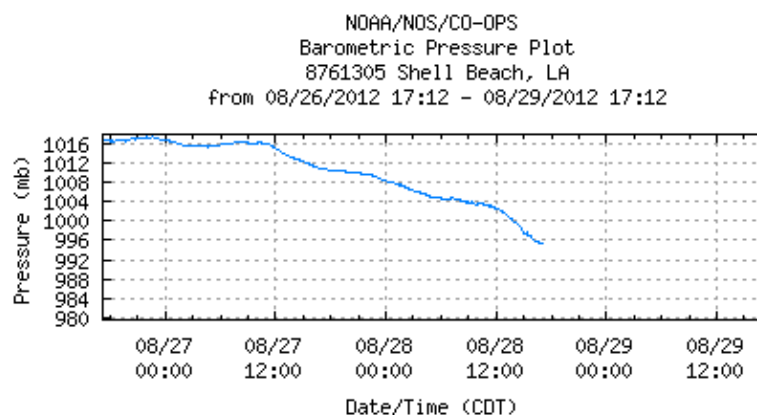
Shell Beach, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Wind Speed: 44 knots Gusts: 54 knots Direction: 34° T

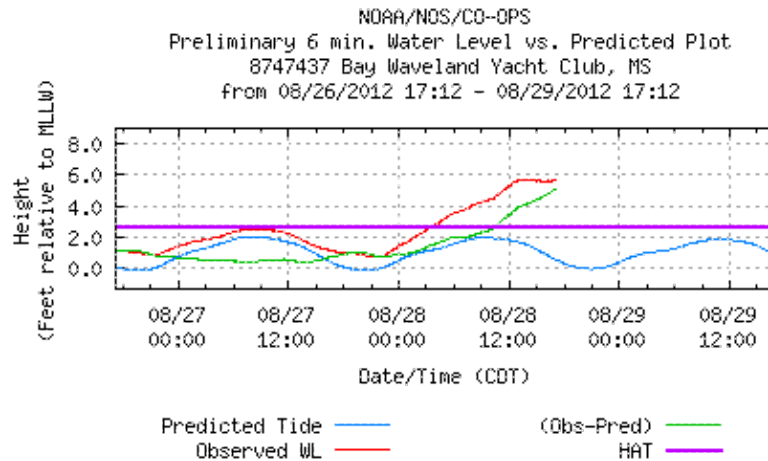
Shell Beach, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 995.3 mb

Bay Waveland Yacht Club, MS - Return to List

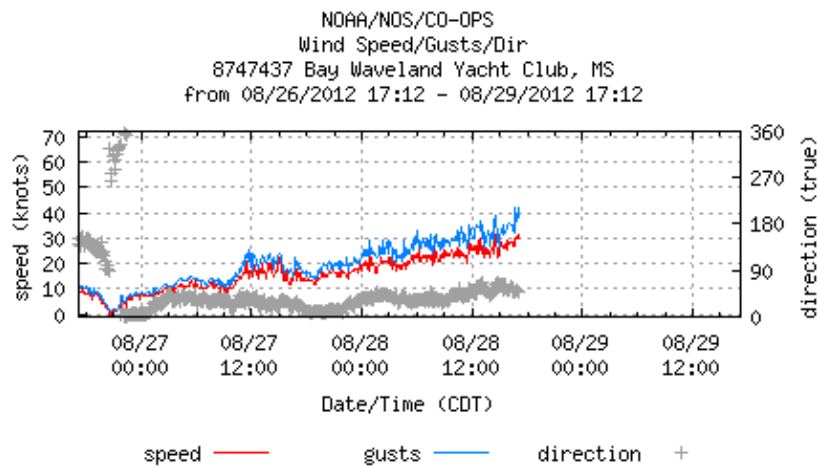


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 5.65 ft.** **Predicted: 0.55 ft.** **Residual: 5.10 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

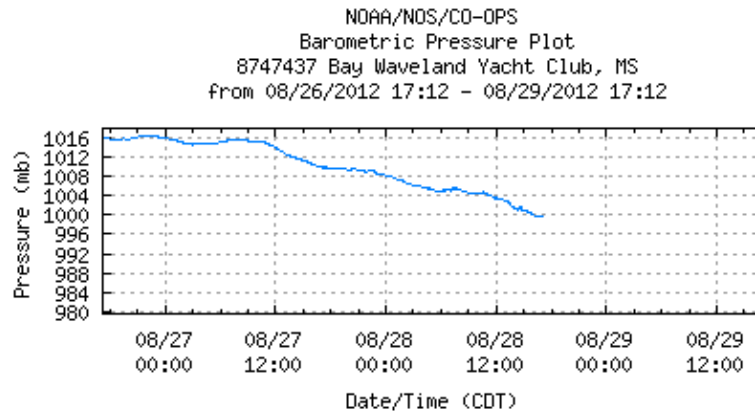
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

**Wind Speed: 30 knots** **Gusts: 42 knots** **Direction: 48° T**

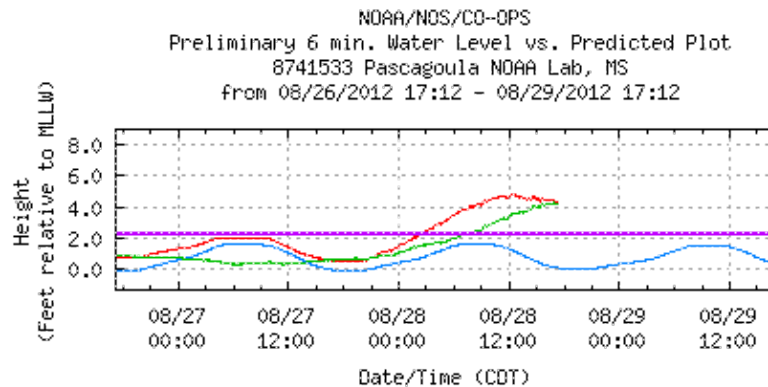
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 999.6 mb

Pascagoula NOAA Lab, MS - Return to List

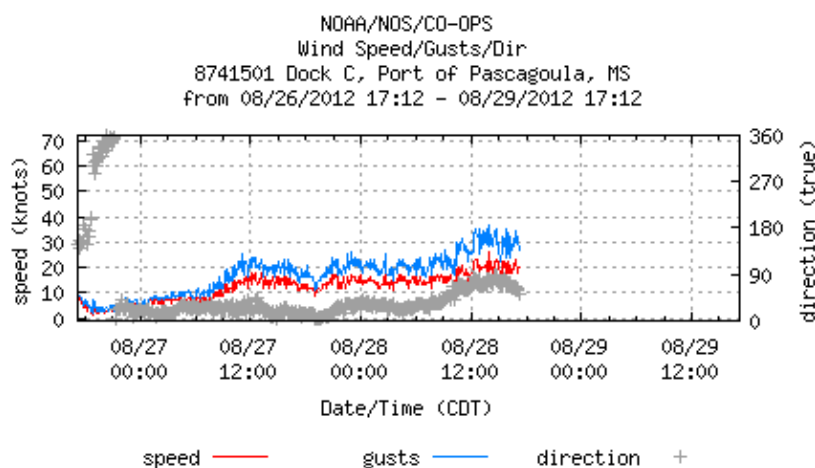


Last Observed Sample: 08/28/2012 17:12 (CDT)

Relative to MLLW: **Observed: 4.33 ft.** **Predicted: 0.11 ft.** **Residual: 4.22 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

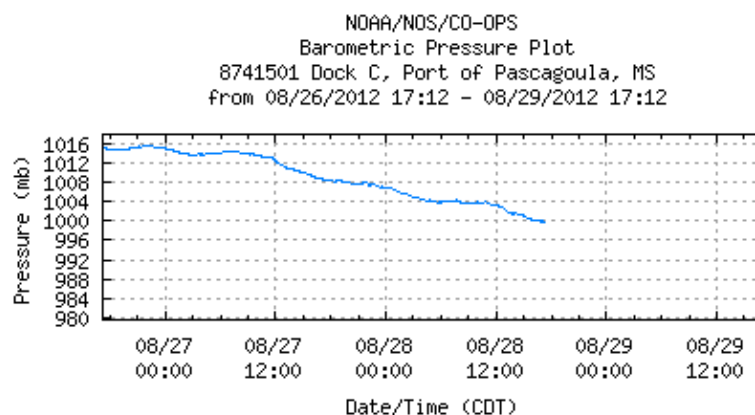
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 08/28/2012 17:12 (CDT)

Wind Speed: 20 knots Gusts: 27 knots Direction: 53° T

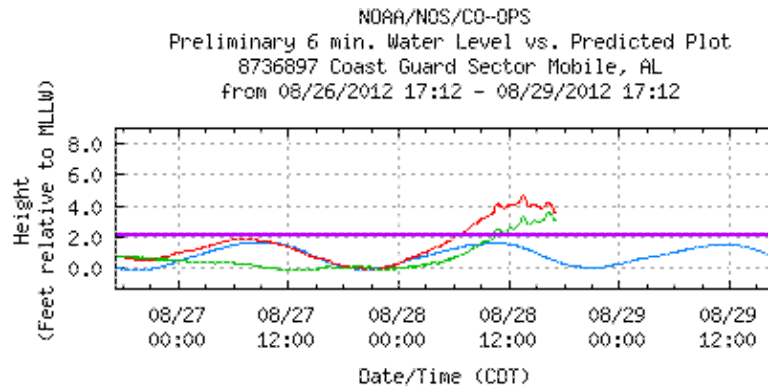
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 08/28/2012 17:12 (CDT)

Barometric Pressure: 999.8 mb

Coast Guard Sector Mobile, AL - Return to List

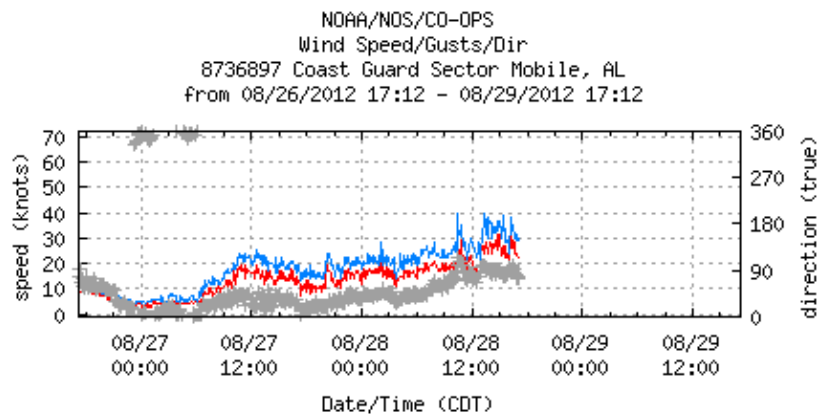


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 3.56 ft.** **Predicted: 0.47 ft.** **Residual: 3.09 ft.**

Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

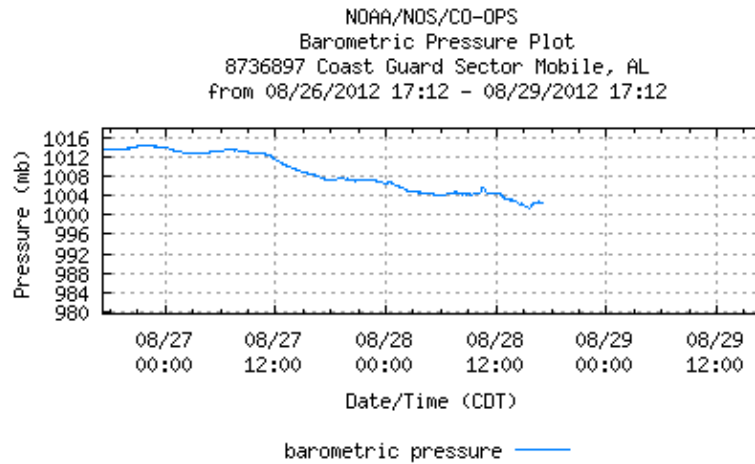
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

**Wind Speed: 22 knots** **Gusts: 29 knots** **Direction: 76° T**

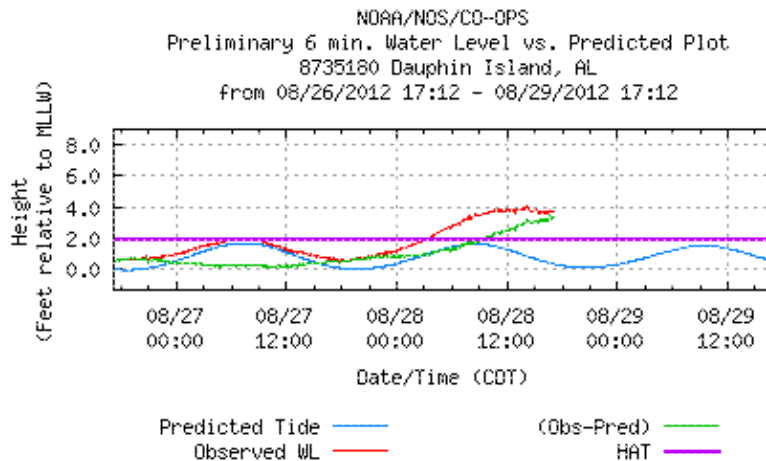
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 1002.7 mb

Dauphin Island, AL - Return to List

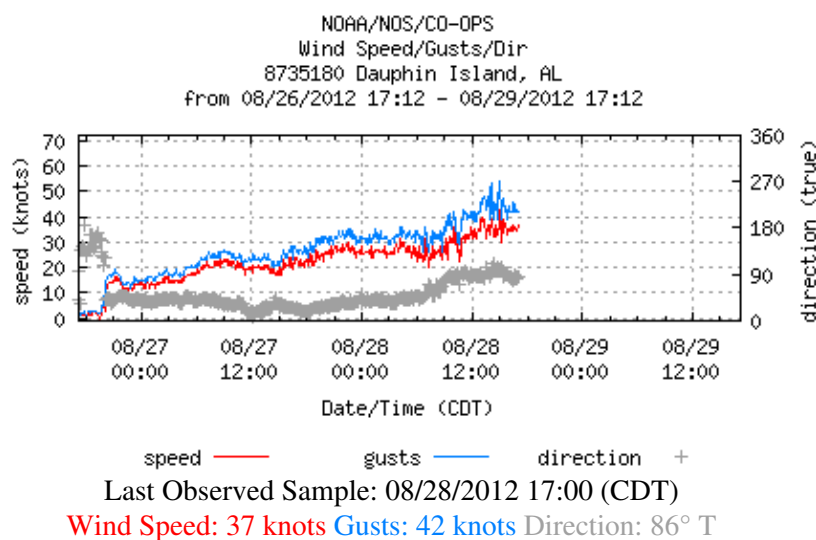


Last Observed Sample: 08/28/2012 17:06 (CDT)

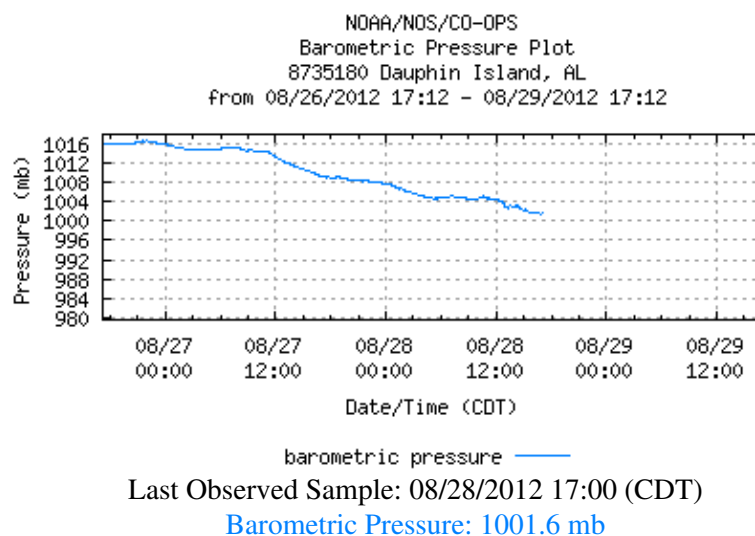
Relative to MLLW: **Observed: 3.68 ft.** **Predicted: 0.35 ft.** **Residual: 3.33 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

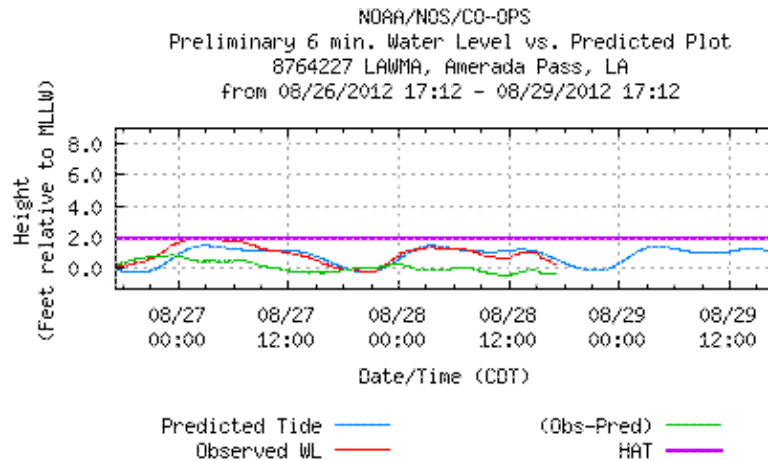
[Dauphin Island, AL - Return to List](#)



[Dauphin Island, AL - Return to List](#)



LAWMA, Amerada Pass, LA - Return to List

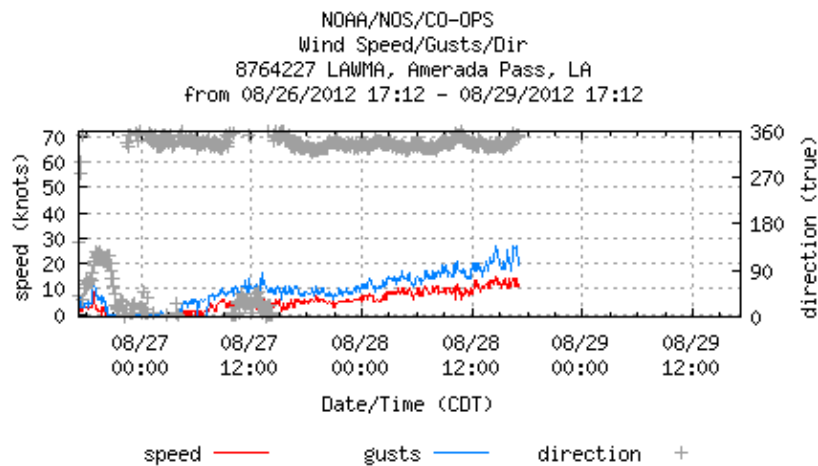


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 0.27 ft.** **Predicted: 0.59 ft.** **Residual: -0.32 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

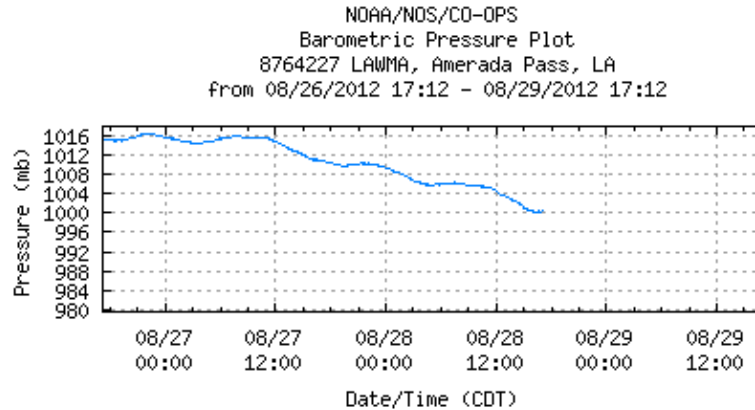
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

**Wind Speed: 11 knots** **Gusts: 19 knots** **Direction: 349° T**

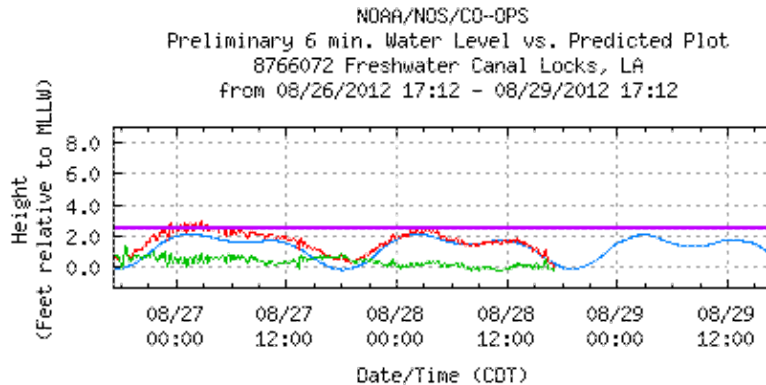
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 1000.5 mb

Freshwater Canal Locks, LA - Return to List

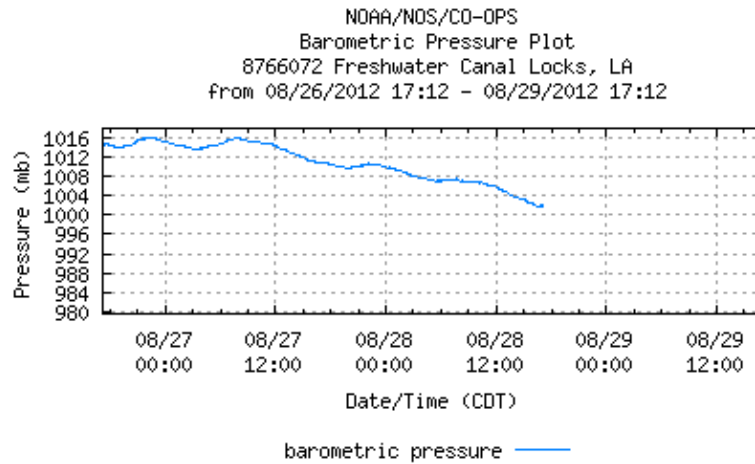


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 0.06 ft.** **Predicted: 0.25 ft.** **Residual: -0.19 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

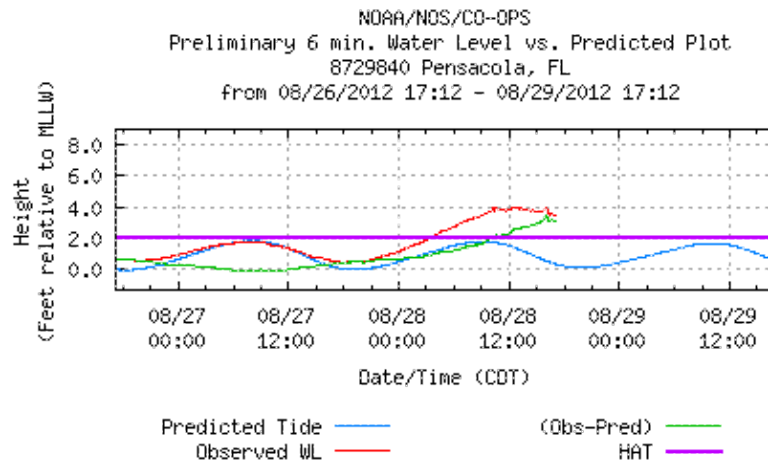
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

Barometric Pressure: 1001.9 mb

Pensacola, FL - Return to List

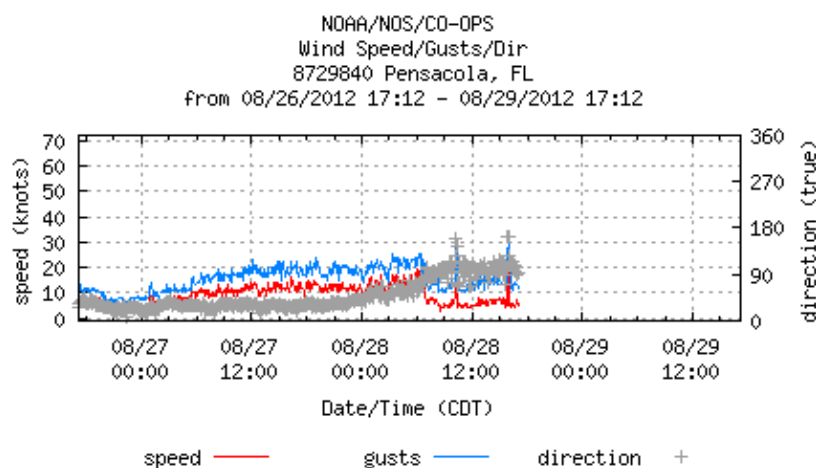


Last Observed Sample: 08/28/2012 17:00 (CDT)

Relative to MLLW: **Observed: 3.44 ft.** **Predicted: 0.36 ft.** **Residual: 3.08 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

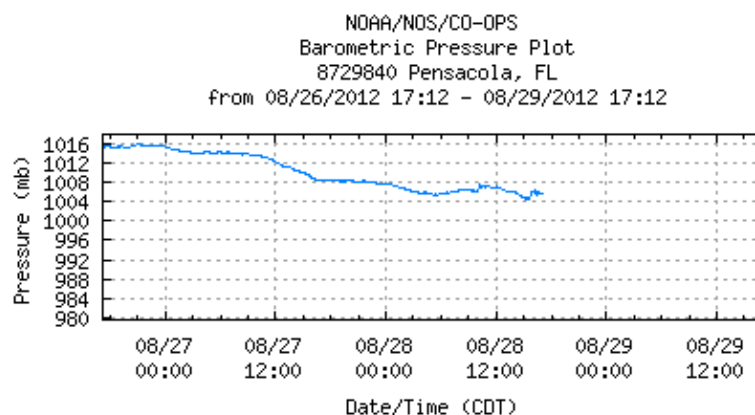
Pensacola, FL - Return to List



Last Observed Sample: 08/28/2012 17:00 (CDT)

Wind Speed: 5 knots Gusts: 12 knots Direction: 92° T

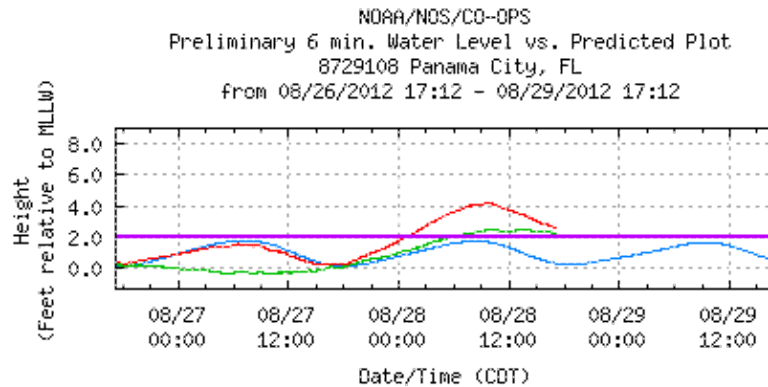
Pensacola, FL - Return to List



Last Observed Sample: 08/28/2012 17:00 (CDT)

Barometric Pressure: 1005.7 mb

Panama City, FL - Return to List

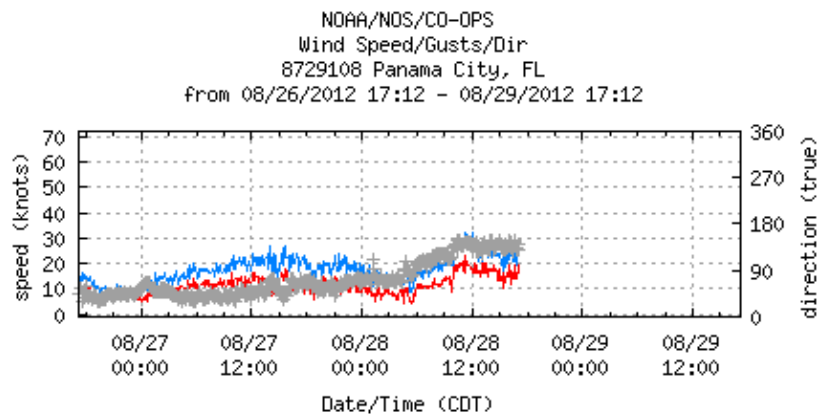


Last Observed Sample: 08/28/2012 17:06 (CDT)

Relative to MLLW: **Observed: 2.59 ft.** **Predicted: 0.33 ft.** **Residual: 2.26 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

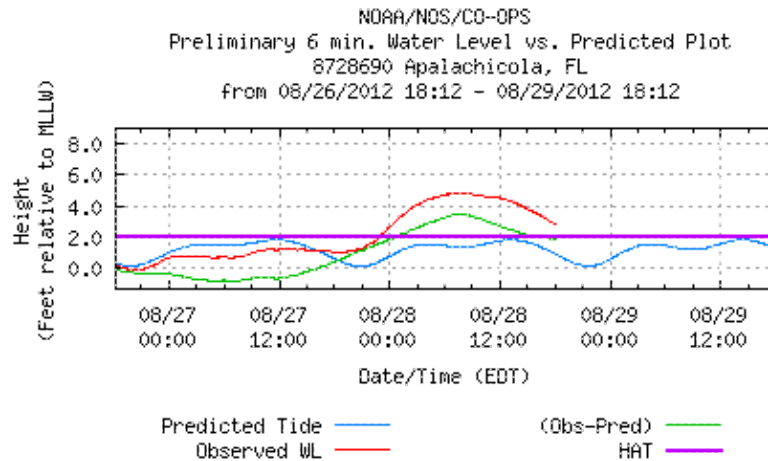
Panama City, FL - Return to List



Last Observed Sample: 08/28/2012 17:06 (CDT)

**Wind Speed: 19 knots** **Gusts: 24 knots** **Direction: 130° T**

[Apalachicola, FL - Return to List](#)

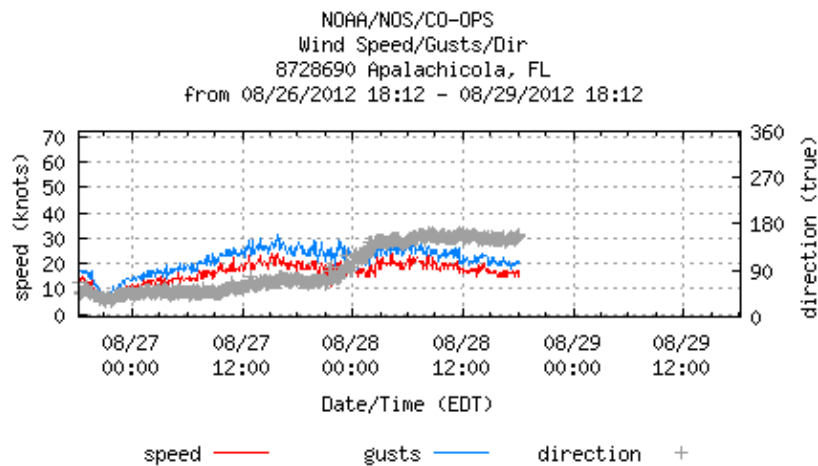


Last Observed Sample: 08/28/2012 18:06 (EDT)

Relative to MLLW: **Observed: 2.83 ft.** **Predicted: 0.91 ft.** **Residual: 1.92 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

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Last Observed Sample: 08/28/2012 18:06 (EDT)

**Wind Speed: 17 knots** **Gusts: 21 knots** **Direction: 160° T**

Hurricane ISAAC QuickLook, POSTED 17:00 CDT 08/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce